# 5102160-2 - ACTIVE

#### AMP-LATCH | AMP-LATCH Universal Headers

TE Internal #: 5102160-2 AMP-LATCH Universal Headers, Ribbon Cable Connectors, Wire-to-Board, 14 Position, 2.54mm [.1in] Centerline, Right Angle, Through Hole - Solder

#### View on TE.com >



AMP-LATCH UNIVERSAL HEADERS



Connector System: Wire-to-Board Number of Positions: 14 Centerline (Pitch): 2.54 mm [.1 in] PCB Mount Retention: Without PCB Mount Orientation: Right Angle

#### All AMP-LATCH UNIVERSAL HEADERS (525)

### Features

#### **Product Type Features**

Connector Type

Header



Ribbon Cable Connector Header Type	Universal Ejection Pin Headers
Connector Product Type	Connector Assembly
Connector System	Wire-to-Board
Connector & Housing Type	Plug
Connector & Contact Terminates To	Printed Circuit Board
Configuration Features	
Number of Positions	14
PCB Mount Orientation	Right Angle
Number of Rows	2
Electrical Characteristics	
Insulation Resistance	5000 MΩ
Operating Voltage	250 VAC
Body Features	
Mating Retention Feature Color	Black
Mating Retention Feature Material	Glass Filled Polyester

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Connector Profile	Standard
Connector rome	Standard
Contact Features	
Mating Square Post Dimension	.64 mm[.025 in]
PCB Contact Termination Area Plating Material Thickness	2.54 μm[100 μin]
Contact Type	Pin
	30 µin
Contact Mating Area Plating Material	Gold Flash
PCB Contact Termination Area Plating Material Finish	Matte
Contact Shape & Form	Square
Contact Underplating Material	Nickel
PCB Contact Termination Area Plating Material	Tin
Contact Base Material	Brass, Phosphor Bronze
Contact Current Rating (Max)	1 A
Termination Features	
Round Termination Post & Tail Diameter	.64 mm[.025 in]

Termination Post & Tail Length

Termination Method to Printed Circuit Board

2.79 mm[.11 in]

Through Hole - Solder

### Mechanical Attachment

Mating Alignment	With
Contact Retention Type Within Housing	Press-Fit
PCB Mount Alignment	Without
Panel Mount Feature	Without
Panel Mount Feature Type	Mounting Ears
PCB Mount Retention	Without
Mating Alignment Type	Center & Dual
Mating Retention	With
Mating Retention Type	Ejection Latch
Connector Mounting Type	Board Mount
Housing Features	
Mating Entry Location	Тор
Housing Material	Nylon - GF
Housing Color	Black

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Centerline (Pitch)	2.54 mm[.1 in]
Dimensions	
Shrouded End Dimension	3.81 mm[.15 in]
Connector Length	37.08 mm[1.46 in]
Connector Height	13.94 mm[.55 in]
PCB Thickness (Recommended)	1.6 mm[.063 in]
Row-to-Row Spacing	2.54 mm[.1 in]
Usage Conditions	
Housing Temperature Rating	High
Operating Temperature Range	-65 – 105 °C[-85 – 221 °F]
Operation/Application	
Solder Process Feature	Board Standoff
Circuit Application	Signal
Industry Standards	
UL Flammability Rating	UL 94V-0
Packaging Features	
Packaging Quantity	80

## Packaging Method

## Tray

### Other

Comment

## For Use With AMP-Latch Receptacle

## Product Compliance

For compliance documentation, visit the product page on TE.com>

EU RoHS Directive 2011/65/EU	Not Yet Reviewed
EU ELV Directive 2000/53/EC	Compliant
China RoHS 2 Directive MIIT Order No 32, 2016	No Restricted Materials Above Threshold
EU REACH Regulation (EC) No. 1907/2006	Current ECHA Candidate List: JAN 2021 (211) Candidate List Declared Against: JUN 2013 (144) SVHC > Threshold: Not Yet Reviewed
Halogen Content	Not Low Halogen - contains Br or Cl > 900 ppm.

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Solder Process Capability

Wave solder capable to 265°C

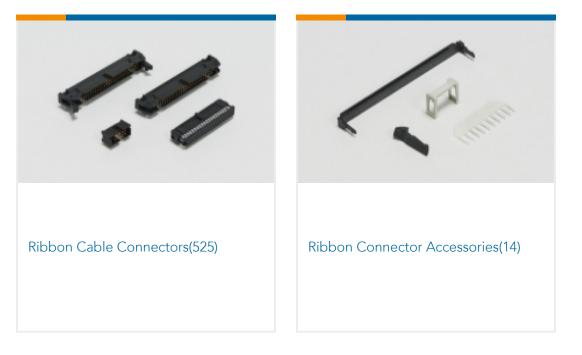
Product Compliance Disclaimer

This information is provided based on reasonable inquiry of our suppliers and represents our current actual knowledge based on the information they provided. This information is subject to change. The part numbers that TE has identified as EU RoHS compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, mercury, PBB, PBDE, DBP, BBP, DEHP, DIBP, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2011/65/EU (RoHS2). Finished electrical and electronic equipment products will be CE marked as required by Directive 2011/65/EU. Components may not be CE marked. Additionally, the part numbers that TE has identified as EU ELV compliant have a maximum concentration of 0.1% by weight in homogenous materials for lead, hexavalent chromium, and mercury, and 0.01% for cadmium, or qualify for an exemption to these limits as defined in the Annexes of Directive 2000/53/EC (ELV). Regarding the REACH Regulations, TE's information on SVHC in articles for this part number is still based on the European Chemical Agency (ECHA) 'Guidance on requirements for substances in articles' (Version: 2, April 2011), applying the 0.1% weight on weight concentration threshold at the finished product level. TE is aware of the European Court of Justice ruling of September 10th, 2015 also known as O5A (Once An Article Always An Article) stating that, in case of 'complex object', the threshold for a SVHC must be applied to both the product as a whole and simultaneously to each of the articles forming part of its composition. TE has evaluated this ruling based on the new ECHA "Guidance on requirements for substances in articles" (June 2017, version 4.0) and will be updating its statements accordingly.

## **Compatible Parts**



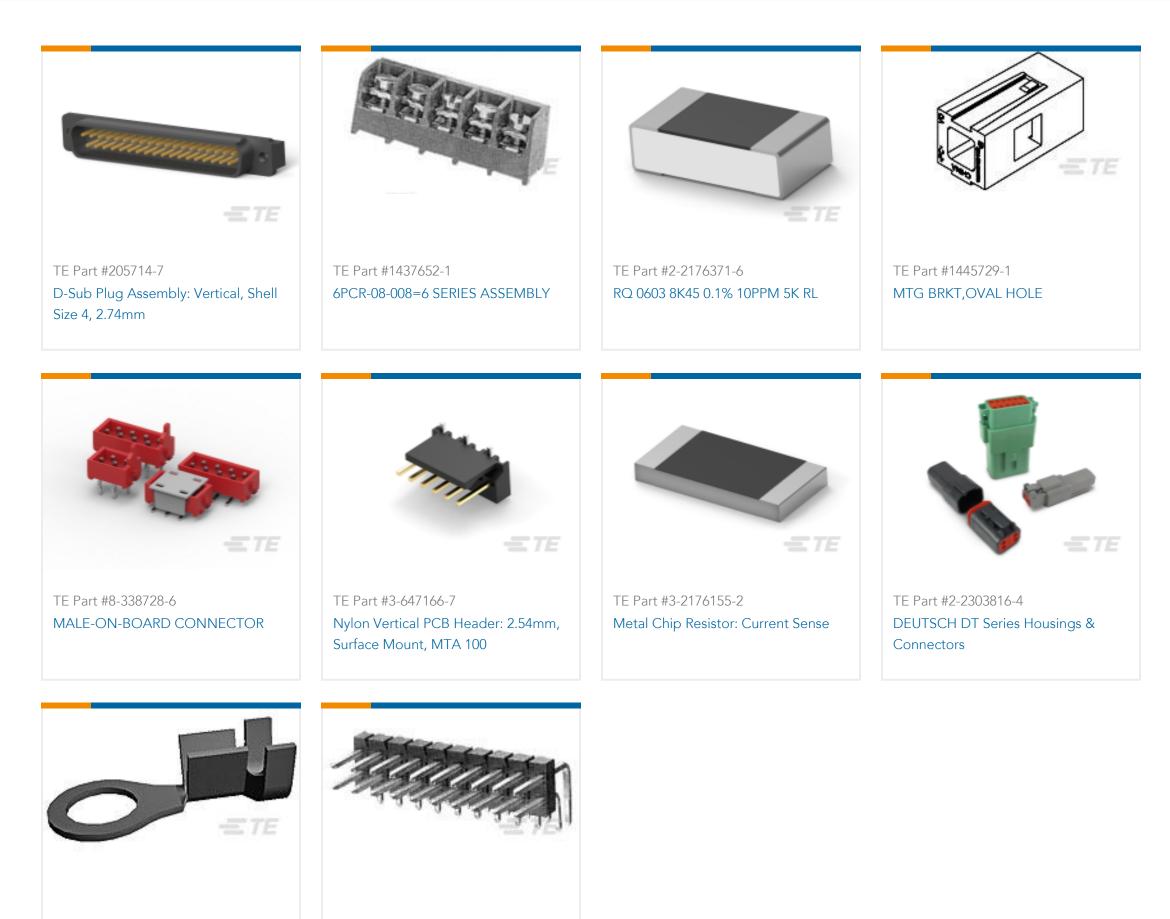
# Also in the Series AMP-LATCH Universal Headers



Customers Also Bought

AMP-LATCH Universal Headers, Ribbon Cable Connectors, Wire-to-Board, 14 Position, 2.54mm [.1in] Centerline, Right Angle, Through Hole - Solder





TE Part #109452-4 RING TONGUE 170 18-14 AWG PTPBR

TE Part #4-103795-0 80 MODII HDR DRRA B/A .100CL

## Documents

Product Drawings A/L UNIV HDR 14P RA

English

CAD Files

3D PDF

3D

Customer View Model ENG\_CVM\_CVM\_5102160-2\_C.2d\_dxf.zip

English

Customer View Model ENG\_CVM\_CVM\_5102160-2\_C.3d\_igs.zip

English

Customer View Model

ENG\_CVM\_CVM\_5102160-2\_C.3d\_stp.zip

English

By downloading the CAD file I accept and agree to the **Terms and Conditions** of use.

**Product Specifications** 

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**Product Specification** 

English

Agency Approvals Agency Approval Document

English